

## WEST Search History

DATE: Friday, January 30, 2004

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Hit Count

*DB=PGPB,USPT,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=ADJ*

<input type="checkbox"/>	L5	glycosylat\$ same (random adj mutagenesis) same(addition or exten\$)	25
<input type="checkbox"/>	L4	glycosylation same (random adj mutagenesis) and (addition or exten\$)	115
<input type="checkbox"/>	L3	glycosylation same (random adj mutagenesis) and recombinant?	15
<input type="checkbox"/>	L2	glycosylation same (random adj mutagenesis)	116
<input type="checkbox"/>	L1	glycosylation and (random adj mutagenesis or elongation same muta\$)	2293

END OF SEARCH HISTORY

## Hit List

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### Search Results - Record(s) 1 through 15 of 15 returned.

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1. Document ID: US 20030181364 A1

L3: Entry 1 of 15

File: PGPB

Sep 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030181364

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030181364 A1

TITLE: Therapeutic and diagnostic tools for impaired glucose tolerance conditions

PUBLICATION-DATE: September 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ruvkun, Gary	Newton	MA	US	
Ogg, Scott	Newton	MA	US	

US-CL-CURRENT: 514/12; 435/21, 435/6

2. Document ID: US 20030078398 A1

L3: Entry 2 of 15

File: PGPB

Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030078398

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030078398 A1

TITLE: Recombinant DNA molecules encoding aminopeptidase enzymes and their use in the preparation of vaccines against helminth infections

PUBLICATION-DATE: April 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Graham, Margaret	Linton		GB	
Smith, Trevor Stanley	Linton		GB	
Munn, Edward Albert	Fulbourn		GB	
Knox, David Patrick	Cockenzie		GB	
Oliver, Joanna Jane	Edinburgh		GB	
Newton, Susan Elizabeth	Victoria		AU	

US-CL-CURRENT: 536/23.1; 424/93.21, 800/8

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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 3. Document ID: US 20020138872 A1

L3: Entry 3 of 15

File: PGPB

Sep 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020138872

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020138872 A1

TITLE: ACQUIRED RESISTANCE GENES AND USES THEREOF

PUBLICATION-DATE: September 26, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
DONG, XINNIAN	DURHAM	NC	US	
AUSUBEL, FREDERICK M.	NEWTON	MA	US	
CAO, HUI	DURHAM	NC	US	
GLAZEBROOK, JANE	COLUMBIA	MD	US	

US-CL-CURRENT: 800/279

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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 4. Document ID: US 20020106367 A1

L3: Entry 4 of 15

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020106367

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020106367 A1

TITLE: NES-1 polypeptides, DNA, and related molecules and methods

PUBLICATION-DATE: August 8, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Band, Vimla	Natick	MA	US	

US-CL-CURRENT: 424/94.63; 435/226, 435/320.1, 435/325, 435/69.1, 536/23.2

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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 5. Document ID: US 20020073447 A1

L3: Entry 5 of 15

File: PGPB

Jun 13, 2002

PGPUB-DOCUMENT-NUMBER: 20020073447

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020073447 A1

TITLE: Acquired resistance genes and uses thereof

PUBLICATION-DATE: June 13, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Dong, Xinnian	Durham	NC	US	
Ausubel, Frederick M.	Newton	MA	US	
Cao, Hui	Durham	NC	US	
Glazebrook, Jane	Columbia	MD	US	

US-CL-CURRENT: 800/279; 536/23.6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. Desc	Image
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 6. Document ID: US 20020037585 A1

L3: Entry 6 of 15

File: PGPB

Mar 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020037585

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020037585 A1

TITLE: Therapeutic and diagnostic tools for impaired glucose tolerance conditions

PUBLICATION-DATE: March 28, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ruvkun, Gary	Newton	MA	US	
Kimura, Koutarou	Boston	MA	US	
Patterson, Garth	Charlestown	MA	US	
Ogg, Scott	Newton	MA	US	
Paradis, Suzanne	Somerville	MA	US	
Tissenbaum, Heidi	Belmont	MA	US	
Morris, Jason	New York	NY	US	
Kowek, Allison	Somerville	MA	US	

US-CL-CURRENT: 435/375; 424/9.2, 435/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. Desc	Image
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7. Document ID: US 20010029617 A1

L3: Entry 7 of 15

File: PGPB

Oct 11, 2001

PGPUB-DOCUMENT-NUMBER: 20010029617

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010029617 A1

TITLE: THERAPEUTIC AND DIAGNOSTIC TOOLS FOR IMPAIRED GLUCOSE TOLERANCE CONDITIONS

PUBLICATION-DATE: October 11, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
RUVKUN, GARY	NEWTON	MA	US	
OGG, SCOTT	NEWTON	MA	US	

US-CL-CURRENT: 800/13; 424/9.1, 424/9.2, 435/320.1, 800/18, 800/3

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KIMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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 8. Document ID: US 20010016332 A1

L3: Entry 8 of 15

File: PGPB

Aug 23, 2001

PGPUB-DOCUMENT-NUMBER: 20010016332

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010016332 A1

TITLE: AGE-1 POLYPEPTIDES AND RELATED MOLECULES AND METHODS

PUBLICATION-DATE: August 23, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
RUVKUN, GARY	NEWTON	MA	US	
MORRIS, JASON	NEW YORK	NY	US	
TISSENBAUM, HEIDI	BELMONT	MA	US	

US-CL-CURRENT: 435/69.1; 424/9.1, 435/320.1, 435/325, 435/375, 800/21, 800/3, 800/8

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KIMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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 9. Document ID: US 6620985 B1

L3: Entry 9 of 15

File: USPT

Sep 16, 2003

US-PAT-NO: 6620985

DOCUMENT-IDENTIFIER: US 6620985 B1

TITLE: PAD4 nucleic acid compositions from *Arabidopsis* and methods therefor

DATE-ISSUED: September 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Glazebrook; Jane	San Diego	CA		
Jirage; Dayadevi	Hyattsville	MD		
Tootle; Tina L.	Boston	MA		
Zhou; Nan	Durham	NC		
Feys; Bart Julianne Frans	Norwich			GB

US-CL-CURRENT: 800/278; 435/320.1, 435/419, 536/23.6

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10. Document ID: US 6534638 B1

L3: Entry 10 of 15

File: USPT

Mar 18, 2003

US-PAT-NO: 6534638

DOCUMENT-IDENTIFIER: US 6534638 B1

TITLE: Recombinant DNA molecules encoding aminopeptidase enzymes and their use in the preparation of vaccines against helminth infections

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Graham; Margaret	Linton			GB
Smith; Trevor Stanley	Linton			GB
Munn; Edward Albert	Fulbourn			GB
Knox; David Patrick	Cockenzie			GB
Oliver; Joanna Jane	Edinburgh			GB
Newton; Susan Elizabeth	Strathmore			AU

US-CL-CURRENT: 536/23.1; 435/243, 435/252.3, 435/320.1, 435/69.1, 435/69.3, 435/69.7, 435/71.435/71.2, 536/23.2, 536/23.4, 536/23.7

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11. Document ID: US 6225120 B1

L3: Entry 11 of 15

File: USPT

May 1, 2001

US-PAT-NO: 6225120

DOCUMENT-IDENTIFIER: US 6225120 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Therapeutic and diagnostic tools for impaired glucose tolerance conditions

DATE-ISSUED: May 1, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ruvkun; Gary	Newton	MA		
Kimura; Koutarou	Boston	MA		
Patterson; Garth	Charlestown	MA		
Ogg; Scott	Newton	MA		
Paradis; Suzanne	Somerville	MA		
Tissenbaum; Heidi	Belmont	MA		
Morris; Jason	New York	NY		
Koweeck; Allison	Somerville	MA		

US-CL-CURRENT: 435/375; 435/320.1, 435/325, 800/3

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Draw Desc](#) | [Image](#)

12. Document ID: US 6153387 A

L3: Entry 12 of 15

File: USPT

Nov 28, 2000

US-PAT-NO: 6153387

DOCUMENT-IDENTIFIER: US 6153387 A

TITLE: NES-1 polypeptides, DNA, and related molecules and methods

DATE-ISSUED: November 28, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Band; Vimla	Natick	MA		

US-CL-CURRENT: 435/6; 435/219, 435/226, 435/252.33, 435/254.11, 435/320.1, 435/325, 435/69.1,  
536/23.2, 536/23.5

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Draw Desc](#) | [Image](#)

13. Document ID: US 6066503 A

L3: Entry 13 of 15

File: USPT

May 23, 2000

US-PAT-NO: 6066503

DOCUMENT-IDENTIFIER: US 6066503 A

TITLE: Recombinant DNA molecules encoding aminopeptidase enzymes and their use in the preparation of vaccines against helminth infections

DATE-ISSUED: May 23, 2000

INVENTOR-INFORMATION:

h e b b g e e e f e f ef b e

NAME	CITY	STATE	ZIP CODE	COUNTRY
Graham; Margaret	Linton			GB
Smith; Trevor Stanley	Linton			GB
Munn; Edward Albert	Fulbourn			GB
Knox; David Patrick	Cockenzie			GB
Oliver; Joanna Jane	Edinburgh			GB
Newton; Susan Elizabeth	Strathmore			AU

US-CL-CURRENT: 435/69.3; 424/184.1, 424/199.1, 424/265.1, 424/94.1, 435/183, 435/212,  
435/252.3, 435/252.33, 435/254.11, 435/320.1, 435/325, 435/362, 435/365, 435/367, 435/69.1,  
435/69.7, 530/300, 530/350, 530/388.6, 536/23.1, 536/23.2, 536/23.4, 536/23.5, 930/240

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Draw Desc](#) | [Image](#)

14. Document ID: US 5843694 A

L3: Entry 14 of 15

File: USPT

Dec 1, 1998

US-PAT-NO: 5843694

DOCUMENT-IDENTIFIER: US 5843694 A

TITLE: Methods for identification of modulatory compounds for the expression of the NES1 protein

DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Band; Vimla	Natick	MA		

US-CL-CURRENT: 435/23; 435/212, 435/219, 435/226

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Draw Desc](#) | [Image](#)

15. Document ID: US 5736377 A

L3: Entry 15 of 15

File: USPT

Apr 7, 1998

US-PAT-NO: 5736377

DOCUMENT-IDENTIFIER: US 5736377 A

TITLE: NES-1 polypeptides, DNA, and related molecules and methods

DATE-ISSUED: April 7, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Band; Vimla	Natick	MA		

US-CL-CURRENT: 435/219; 435/212, 435/226, 530/350

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[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Draw Desc](#) | [Image](#)

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Term	Documents
GLYCOSYLATION	23462
GLYCOSYLATIONS	1226
RANDOM	423921
RANDOMS	49
MUTAGENESIS	36024
MUTAGENESES	126
RECOMBINANT?	0
RECOMBINANTE	11
RECOMBINANTL	1
RECOMBINANTN	2
RECOMBINANTS	7526
(GLYCOSYLATION SAME (RANDOM ADJ MUTAGENESIS) AND RECOMBINANT?).PGPB,USPT,EPAB,DWPI,TDBD.	15

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<i>DB=PGPB,USPT,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L8	(glycosylat\$ adj site?) same (addition or extention) same (amino adj termin\$)	
<input type="checkbox"/>	L7	(glycosylat\$ adj site?) same (addition or extention) same (amino adj termin\$ or N-termin\$)	2
<input type="checkbox"/>	L6	(glycosylat\$ adj site?)same(addition or exten\$)	36
<input type="checkbox"/>	L5	glycosylat\$ same (random adj mutagenesis) same(addition or exten\$)	
<input type="checkbox"/>	L4	glycosylation same (random adj mutagenesis) and (addition or exten\$)	1
<input type="checkbox"/>	L3	glycosylation same (random adj mutagenesis) and recombinant?	
<input type="checkbox"/>	L2	glycosylation same (random adj mutagenesis)	1
<input type="checkbox"/>	L1	glycosylation and (random adj mutagenesis or elongation same muta\$)	22

END OF SEARCH HISTORY



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for glycosylation and random mutation

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1: [Luke NR, Allen S, Gibson BW, Campagnari AA.](#)

Related Articles, Li

Identification of a 3-deoxy-D-manno-octulosonic acid biosynthetic operon in *Moraxella catarrhalis* and analysis of a KdsA-deficient isogenic mutant.  
*Infect Immun.* 2003 Nov;71(11):6426-34.  
PMID: 14573664 [PubMed - indexed for MEDLINE]

2: [Zhu D, McCarthy H, Ottensmeier CH, Johnson P, Hamblin TJ, Stevenson FK.](#)

Related Articles, Li

Acquisition of potential N-glycosylation sites in the immunoglobulin variable region by somatic mutation is a distinctive feature of follicular lymphoma.  
*Blood.* 2002 Apr 1;99(7):2562-8.  
PMID: 11895794 [PubMed - indexed for MEDLINE]

3: [Zheng X, Sadler JE.](#)

Related Articles, Li

Mucin-like domain of enteropeptidase directs apical targeting in Madin-Darby canine kidney cells.  
*J Biol Chem.* 2002 Mar 1;277(9):6858-63.  
PMID: 11878264 [PubMed - indexed for MEDLINE]

4: [Hayajneh WA, Contopoulos-Ioannidis DG, Lesperance MM, Venegas AM, Colberg- Poley AM.](#)

Related Articles, Li

The carboxyl terminus of the human cytomegalovirus UL37 immediate-early glycoprotein is conserved in primary strains and is important for transactivation.  
*J Gen Virol.* 2001 Jul;82(Pt 7):1569-79.  
PMID: 11413367 [PubMed - indexed for MEDLINE]

5: [Fujita K, Takegawa K.](#)

Related Articles, Li

Tryptophan-216 is essential for the transglycosylation activity of endo-beta-N-acetylglucosaminidase A.  
*Biochem Biophys Res Commun.* 2001 May 11;283(3):680-6.  
PMID: 11341779 [PubMed - indexed for MEDLINE]

6: [Liu HL, Doleires Y, Coutinho PM, Ford C, Reilly PJ.](#)

Related Articles, Li

Replacement and deletion mutations in the catalytic domain and belt region of *Aspergillus awamori* glucoamylase to enhance thermostability.  
*Protein Eng.* 2000 Sep;13(9):655-9.  
PMID: 11054460 [PubMed - indexed for MEDLINE]

7: [Lebbink JH, Kaper T, Bron P, van der Oost J, de Vos WM.](#)

Related Articles, Li

Improving low-temperature catalysis in the hyperthermophilic *Pyrococcus furiosus* beta glucosidase CelB by directed evolution.  
*Biochemistry.* 2000 Apr 4;39(13):3656-65.  
PMID: 10736164 [PubMed - indexed for MEDLINE]

- 8: [Miller-Lindholm AK, Bedows E, Bartels CF, Ramey J, Maclin V, Ruddon RW.](#) Related Articles, Li  
 A naturally occurring genetic variant in the human chorionic gonadotropin-beta gene 5 is assembly inefficient.  
*Endocrinology*. 1999 Aug;140(8):3496-506.  
 PMID: 10433205 [PubMed - indexed for MEDLINE]
- 9: [Rosenberg AR, Delamarre L, Pique C, Le Blanc I, Griffith G, Dokhelar MC.](#) Related Articles, Li  
 Early assembly step of a retroviral envelope glycoprotein: analysis using a dominant negative assay.  
*J Cell Biol*. 1999 Apr 5;145(1):57-68.  
 PMID: 10189368 [PubMed - indexed for MEDLINE]
- 10: [Jennings MP, Virji M, Evans D, Foster V, Srikhanta YN, Steeghs L, van der Ley P, Moxon ER.](#) Related Articles, Li  
 Identification of a novel gene involved in pilin glycosylation in *Neisseria meningitidis*.  
*Mol Microbiol*. 1998 Aug;29(4):975-84.  
 PMID: 9767566 [PubMed - indexed for MEDLINE]
- 11: [Sekiya-Kawasaki M, Botstein D, Ohya Y.](#) Related Articles, Li  
 Identification of functional connections between calmodulin and the yeast actin cytoskeleton.  
*Genetics*. 1998 Sep;150(1):43-58.  
 PMID: 9725829 [PubMed - indexed for MEDLINE]
- 12: [Yan Z, Deng X, Chen M, Xu Y, Ahram M, Sloane BF, Friedman E.](#) Related Articles, Li  
 Oncogenic c-Ki-ras but not oncogenic c-Ha-ras up-regulates CEA expression and disrupts basolateral polarity in colon epithelial cells.  
*J Biol Chem*. 1997 Oct 31;272(44):27902-7.  
 PMID: 9346938 [PubMed - indexed for MEDLINE]
- 13: [Enjuanes L, Sune C, Gebauer F, Smerdou C, Camacho A, Anton IM, Gonzalez S, Talamillo A, Mendez A, Ballesteros ML, et al.](#) Related Articles, Li  
 Antigen selection and presentation to protect against transmissible gastroenteritis coronavirus.  
*Vet Microbiol*. 1992 Nov;33(1-4):249-62.  
 PMID: 1282756 [PubMed - indexed for MEDLINE]
- 14: [Guan JL, Machamer CE, Rose JK.](#) Related Articles, Li  
 Glycosylation allows cell-surface transport of an anchored secretory protein.  
*Cell*. 1985 Sep;42(2):489-96.  
 PMID: 3928168 [PubMed - indexed for MEDLINE]

Display	Summary	<input checked="" type="checkbox"/>	Show:	20	<input checked="" type="checkbox"/>	Sort	<input checked="" type="checkbox"/>	Send to:	Text	<input checked="" type="checkbox"/>
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DATE: Friday, January 30, 2004

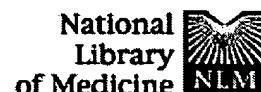
### Hide? Set Name Query

### Hit Count

*DB=PGPB,USPT,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=ADJ*

<input type="checkbox"/>	L4	glycosylation same (random adj mutagenesis) and (addition or exten\$)	115
<input type="checkbox"/>	L3	glycosylation same (random adj mutagenesis) and recombinant?	15
<input type="checkbox"/>	L2	glycosylation same (random adj mutagenesis)	116
<input type="checkbox"/>	L1	glycosylation and (random adj mutagenesis or elongation same muta\$)	2293

END OF SEARCH HISTORY



Entrez PubMed

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Protein

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Clinical Alerts

ClinicalTrials.gov

PubMed Central

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1: [Han W, Rhee JS, Maximov A, Lao Y, Mashimo T, Rosenmund C, Sudhof TC.](#)

Related Articles, Li

N-glycosylation is essential for vesicular targeting of synaptotagmin 1.

Neuron. 2004 Jan 8;41(1):85-99.

PMID: 14715137 [PubMed - in process]

2: [Yabal M, Brambillasca S, Soffientini P, Pedrazzini E, Borgese N, Makarow M.](#)

Related Articles, Li

Translocation of the C terminus of a tail-anchored protein across the endoplasmic reticulum membrane in yeast mutants defective in signal peptide-driven translocation.

J Biol Chem. 2003 Jan 31;278(5):3489-96. Epub 2002 Nov 22.

PMID: 12446686 [PubMed - indexed for MEDLINE]

3: [Lucien N, Sidoux-Walter F, Roudier N, Ripoche P, Huet M, Trinh-Trang-Tan MM, Cartron JP, Bailly P.](#)

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J Biol Chem. 2002 Sep 13;277(37):34101-8. Epub 2002 Jul 01.

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4: [Zheng X, Sadler JE.](#)

Related Articles, Li

Mucin-like domain of enteropeptidase directs apical targeting in Madin-Darby canine kidney cells.

J Biol Chem. 2002 Mar 1;277(9):6858-63.

PMID: 11878264 [PubMed - indexed for MEDLINE]

5: [Doyon Y, Home W, Daull P, LeBel D.](#)

Related Articles, Li

Effect of C-domain N-glycosylation and deletion on rat pancreatic alpha-amylase secretion and activity.

Biochem J. 2002 Feb 15;362(Pt 1):259-64.

PMID: 11829764 [PubMed - indexed for MEDLINE]

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Glycoconj J. 2000 Dec;17(12):859-65.

PMID: 11511810 [PubMed - indexed for MEDLINE]

7: [Chapman RL, Kane SE, Erickson AH.](#)

Related Articles, Li

Abnormal glycosylation of procathepsin L due to N-terminal point mutations correlates with failure to sort to lysosomes.

J Biol Chem. 1997 Mar 28;272(13):8808-16.

PMID: 9079717 [PubMed - indexed for MEDLINE]

8: [Yazaki M, Tagawa K, Maruyama K, Sorimachi H, Tsuchiya T, Ishiura S, Suzuki K.](#)

Related Articles, Li

Mutation of potential N-linked glycosylation sites in the Alzheimer's disease amyloid

- precursor protein (APP).  
Neurosci Lett. 1996 Dec 27;221(1):57-60.  
PMID: 9014180 [PubMed - indexed for MEDLINE]
- 9: [Gallina A, Gazina E, Milanesi G.](#) Related Articles, Li
- A C-terminal PreS1 sequence is sufficient to retain hepatitis B virus L protein in 293 cel  
Virology. 1995 Oct 20;213(1):57-69.  
PMID: 7483279 [PubMed - indexed for MEDLINE]
- 10: [Wo ZG, Oswald RE.](#) Related Articles, Li
- A topological analysis of goldfish kainate receptors predicts three transmembrane  
segments.  
J Biol Chem. 1995 Feb 3;270(5):2000-9.  
PMID: 7836426 [PubMed - indexed for MEDLINE]
- 11: [Nuoffer C, Jeno P, Conzelmann A, Riezman H.](#) Related Articles, Li
- Determinants for glycoprophospholipid anchoring of the *Saccharomyces cerevisiae* GAS1  
protein to the plasma membrane.  
Mol Cell Biol. 1991 Jan;11(1):27-37.  
PMID: 1824714 [PubMed - indexed for MEDLINE]

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Influence of proline residues in transmembrane helix packing.

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2: [Nuttall J, Vitale A, Frigerio L.](#)

Related Articles, Li

C-terminal extension of phaseolin with a short methionine-rich sequence can inhibit trimerisation and result in high instability.

Plant Mol Biol. 2003 Apr;51(6):885-94.  
PMID: 12777049 [PubMed - indexed for MEDLINE]

3: [Li Y, Lei L, Irvine KD, Baker NE, Li L.](#)

Related Articles, Li

Notch activity in neural cells triggered by a mutant allele with altered glycosylation.

Development. 2003 Jul;130(13):2829-40. Erratum in: Development. 2003 Aug;130(15):3587. Li Liang [corrected to Lei Liang].

PMID: 12756168 [PubMed - indexed for MEDLINE]

4: [Herrero AB, Uccelletti D, Hirschberg CB, Dominguez A, Abeijon C.](#)

Related Articles, Li

The Golgi GDPase of the fungal pathogen Candida albicans affects morphogenesis, glycosylation, and cell wall properties.

Eukaryot Cell. 2002 Jun;1(3):420-31.  
PMID: 12455990 [PubMed - indexed for MEDLINE]

5: [Stolz J, Munro S.](#)

Related Articles, Li

The components of the *Saccharomyces cerevisiae* mannosyltransferase complex M-Pol have distinct functions in mannan synthesis.

J Biol Chem. 2002 Nov 22;277(47):44801-8. Epub 2002 Sep 15.  
PMID: 12235155 [PubMed - indexed for MEDLINE]

6: [Receveur V, Czjzek M, Schulein M, Panine P, Henrissat B.](#)

Related Articles, Li

Dimension, shape, and conformational flexibility of a two domain fungal cellulase in solution probed by small angle X-ray scattering.

J Biol Chem. 2002 Oct 25;277(43):40887-92. Epub 2002 Aug 16.  
PMID: 12186865 [PubMed - indexed for MEDLINE]

7: [Damodarasamy M, Zhang M, Dienger K, McCormack FX.](#)

Related Articles, Li

Two rat surfactant protein A isoforms arise by a novel mechanism that includes alternative translation initiation.

Biochemistry. 2000 Aug 22;39(33):10189-95.  
PMID: 10956008 [PubMed - indexed for MEDLINE]

8: [Chen W, Helenius A.](#)

Related Articles, Li

-  Role of ribosome and translocon complex during folding of influenza hemagglutinin in the endoplasmic reticulum of living cells.  
Mol Biol Cell. 2000 Feb;11(2):765-72.  
PMID: 10679029 [PubMed - indexed for MEDLINE]
- [9: Huttunen HJ, Fages C, Rauvala H.](#) Related Articles, Li
-  Receptor for advanced glycation end products (RAGE)-mediated neurite outgrowth and activation of NF-kappaB require the cytoplasmic domain of the receptor but different downstream signaling pathways.  
J Biol Chem. 1999 Jul 9;274(28):19919-24.  
PMID: 10391939 [PubMed - indexed for MEDLINE]
- [10: Muyan M, Boime I.](#) Related Articles, Li
-  The carboxyl-terminal region is a determinant for the intracellular behavior of the chorionic gonadotropin beta subunit: effects on the processing of the Asn-linked oligosaccharides.  
Mol Endocrinol. 1998 May;12(5):766-72.  
PMID: 9605938 [PubMed - indexed for MEDLINE]
- [11: Pepin MC, Beauchemin M, Collins C, Plamondon J, O'Connor-McCourt MD.](#) Related Articles, Li
-  Mutagenesis analysis of the membrane-proximal ligand binding site of the TGF-beta receptor type III extracellular domain.  
FEBS Lett. 1995 Dec 27;377(3):368-72.  
PMID: 8549757 [PubMed - indexed for MEDLINE]
- [12: Schwob E, Choi SY, Simmons C, Migliaccio F, Ilag L, Hesse T, Palme K, Soll D.](#) Related Articles, Li
-  Molecular analysis of three maize 22 kDa auxin-binding protein genes--transient promoter expression and regulatory regions.  
Plant J. 1993 Sep;4(3):423-32.  
PMID: 7693132 [PubMed - indexed for MEDLINE]
- [13: Varon D, Boylan SA, Okamoto K, Price CW.](#) Related Articles, Li
-  Bacillus subtilis gtaB encodes UDP-glucose pyrophosphorylase and is controlled by stationary-phase transcription factor sigma B.  
J Bacteriol. 1993 Jul;175(13):3964-71.  
PMID: 8320212 [PubMed - indexed for MEDLINE]
- [14: Tsai-Morris CH, Buczko E, Wang W, Xie XZ, Dufau ML.](#) Related Articles, Li
-  Structural organization of the rat luteinizing hormone (LH) receptor gene.  
J Biol Chem. 1991 Jun 15;266(17):11355-9.  
PMID: 2040640 [PubMed - indexed for MEDLINE]
- [15: Wakefield LM, Kondaiah P, Hollands RS, Winokur TS, Sporn MB.](#) Related Articles, Li
-  Addition of a C-terminal extension sequence to transforming growth factor-beta 1 interferes with biosynthetic processing and abolishes biological activity.  
Growth Factors. 1991;5(3):243-53.  
PMID: 1663772 [PubMed - indexed for MEDLINE]
- [16: Rice NR, Henderson LE, Sowder RC, Copeland TD, Oroszlan S, Edwards JF.](#) Related Articles, Li
-  Synthesis and processing of the transmembrane envelope protein of equine infectious anemia virus.  
J Virol. 1990 Aug;64(8):3770-8.  
PMID: 2164597 [PubMed - indexed for MEDLINE]

- 17: [Matzuk MM, Hsueh AJ, Lapolt P, Tsafiriri A, Keene JL, Boime I.](#) Related Articles, Li  
 The biological role of the carboxyl-terminal extension of human chorionic gonadotrop [corrected] beta-subunit.  
Endocrinology. 1990 Jan;126(1):376-83. Erratum in: Endocrinology 1990 Apr;126(4):2204.  
PMID: 2293995 [PubMed - indexed for MEDLINE]
- 18: [Nishimura R, Shin J, Ji I, Middaugh CR, Kruggel W, Lewis RV, Ji TH.](#) Related Articles, Li  
 A single amino acid substitution in an ectopic alpha subunit of a human carcinoma choriogonadotropin.  
J Biol Chem. 1986 Aug 15;261(23):10475-7.  
PMID: 2874139 [PubMed - indexed for MEDLINE]
- 19: [Guan JL, Machamer CE, Rose JK.](#) Related Articles, Li  
 Glycosylation allows cell-surface transport of an anchored secretory protein.  
Cell. 1985 Sep;42(2):489-96.  
PMID: 3928168 [PubMed - indexed for MEDLINE]
- 20: [Mobley HL, Koch AL, Doyle RJ, Streips UN.](#) Related Articles, Li  
 Insertion and fate of the cell wall in *Bacillus subtilis*.  
J Bacteriol. 1984 Apr;158(1):169-79.  
PMID: 6232259 [PubMed - indexed for MEDLINE]

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2: [Christensen LL, Jensen UB, Bross P, Orntoft TF.](#) Related Articles, Li

The C-terminal N-glycosylation sites of the human alpha1,3/4-fucosyltransferase III, -V and -VI (hFucTIII, -V, adn -VI) are necessary for the expression of full enzyme activity Glycobiology. 2000 Sep;10(9):931-9.  
PMID: 10988254 [PubMed - indexed for MEDLINE]

3: [Baboval T, Koul O, Smith FI.](#) Related Articles, Li

N-glycosylation site occupancy of rat alpha-1,3-fucosyltransferase IV and the effect of glycosylation on enzymatic activity. Biochim Biophys Acta. 2000 Jul 26;1475(3):383-9.  
PMID: 10913840 [PubMed - indexed for MEDLINE]

4: [Di Natale P, Vanacore B, Daniele A, Esposito S.](#) Related Articles, Li

Heparan N-sulfatase: in vitro mutagenesis of potential N-glycosylation sites. Biochem Biophys Res Commun. 2001 Feb 9;280(5):1251-7.  
PMID: 11162662 [PubMed - indexed for MEDLINE]

5: [Nagai K, Ihara Y, Wada Y, Taniguchi N.](#) Related Articles, Li

N-glycosylation is requisite for the enzyme activity and Golgi retention of N-acetylglucosaminyltransferase III. Glycobiology. 1997 Sep;7(6):769-76.  
PMID: 9376679 [PubMed - indexed for MEDLINE]

6: [Ferlinz K, Hurwitz R, Moczall H, Lansmann S, Schuchman EH, Sandhoff K.](#) Related Articles, Li

Functional characterization of the N-glycosylation sites of human acid sphingomyelinases by site-directed mutagenesis. Eur J Biochem. 1997 Jan 15;243(1-2):511-7.  
PMID: 9030779 [PubMed - indexed for MEDLINE]

7: [Nagayama Y, Nishihara E, Namba H, Yamashita S, Niwa M.](#) Related Articles, Li

Identification of the sites of asparagine-linked glycosylation on the human thyrotropin receptor and studies on their role in receptor function and expression. J Pharmacol Exp Ther. 2000 Oct;295(1):404-9.  
PMID: 10992007 [PubMed - indexed for MEDLINE]

8: [Yamaguchi K, Akai K, Kawanishi G, Ueda M, Masuda S, Sasaki R.](#) Related Articles, Li

-  Effects of site-directed removal of N-glycosylation sites in human erythropoietin on its production and biological properties.  
J Biol Chem. 1991 Oct 25;266(30):20434-9.  
PMID: 1657925 [PubMed - indexed for MEDLINE]
- 9: [Muto T, Feese MD, Shimada Y, Kudou Y, Okamoto T, Ozawa T, Tahara T, Ohashi H, Ogami K, Kato T, Miyazaki H, Kuroki R.](#) Related Articles, Li
-  Functional analysis of the C-terminal region of recombinant human thrombopoietin. C-terminal region of thrombopoietin is a "shuttle" peptide to help secretion.  
J Biol Chem. 2000 Apr 21;275(16):12090-4.  
PMID: 10766842 [PubMed - indexed for MEDLINE]
- 10: [Holmes EH, Yen TY, Thomas S, Joshi R, Nguyen A, Long T, Gallet F, Maftah A, Julien R, Macher BA.](#) Related Articles, Li
-  Human alpha 1,3/4 fucosyltransferases. Characterization of highly conserved cysteine residues and N-linked glycosylation sites.  
J Biol Chem. 2000 Aug 11;275(32):24237-45.  
PMID: 10816554 [PubMed - indexed for MEDLINE]
- 11: [Wu GC, Lai HL, Lin YW, Chu YT, Chern Y.](#) Related Articles, Li
-  N-glycosylation and residues Asn805 and Asn890 are involved in the functional properties of type VI adenylyl cyclase.  
J Biol Chem. 2001 Sep 21;276(38):35450-7. Epub 2001 Jul 18.  
PMID: 11461898 [PubMed - indexed for MEDLINE]
- 12: [Eckhardt M, Fewou SN, Ackermann I, Gieselmann V.](#) Related Articles, Li
-  N-glycosylation is required for full enzymic activity of the murine galactosylceramide sulphotransferase.  
Biochem J. 2002 Nov 15;368(Pt 1):317-24.  
PMID: 12175333 [PubMed - indexed for MEDLINE]
- 13: [Torres GE, Egan TM, Voigt MM.](#) Related Articles, Li
-  N-Linked glycosylation is essential for the functional expression of the recombinant P2X2 receptor.  
Biochemistry. 1998 Oct 20;37(42):14845-51.  
PMID: 9778359 [PubMed - indexed for MEDLINE]
- 14: [Martina JA, Daniotti JL, Maccioni HJ.](#) Related Articles, Li
-  GM1 synthase depends on N-glycosylation for enzyme activity and trafficking to the Golgi complex.  
Neurochem Res. 2000 May;25(5):725-31.  
PMID: 10905635 [PubMed - indexed for MEDLINE]
- 15: [Wolle J, Jansen H, Smith LC, Chan L.](#) Related Articles, Li
-  Functional role of N-linked glycosylation in human hepatic lipase: asparagine-56 is important for both enzyme activity and secretion.  
J Lipid Res. 1993 Dec;34(12):2169-76.  
PMID: 8301235 [PubMed - indexed for MEDLINE]
- 16: [O K, Hill JS, Wang X, McLeod R, Pritchard PH.](#) Related Articles, Li
-  Lecithin:cholesterol acyltransferase: role of N-linked glycosylation in enzyme function  
Biochem J. 1993 Sep 15;294 ( Pt 3):879-84.  
PMID: 8379944 [PubMed - indexed for MEDLINE]
- 17: [Fan H, Meng W, Kilian C, Grams S, Reutter W.](#) Related Articles, Li

-  Domain-specific N-glycosylation of the membrane glycoprotein dipeptidylpeptidase IV (CD26) influences its subcellular trafficking, biological stability, enzyme activity and protein folding.  
Eur J Biochem. 1997 May 15;246(1):243-51.  
PMID: 9210490 [PubMed - indexed for MEDLINE]
- 18: [Shipley JM, Grubb JH, Sly WS.](#) Related Articles, Li
-  The role of glycosylation and phosphorylation in the expression of active human beta-glucuronidase.  
J Biol Chem. 1993 Jun 5;268(16):12193-8.  
PMID: 8505339 [PubMed - indexed for MEDLINE]
- 19: [Ray K, Clapp P, Goldsmith PK, Spiegel AM.](#) Related Articles, Li
-  Identification of the sites of N-linked glycosylation on the human calcium receptor and assessment of their role in cell surface expression and signal transduction.  
J Biol Chem. 1998 Dec 18;273(51):34558-67.  
PMID: 9852126 [PubMed - indexed for MEDLINE]
- 20: [Yu XC, Sturrock ED, Wu Z, Biemann K, Ehlers MR, Riordan JF.](#) Related Articles, Li
-  Identification of N-linked glycosylation sites in human testis angiotensin-converting enzyme and expression of an active deglycosylated form.  
J Biol Chem. 1997 Feb 7;272(6):3511-9.  
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